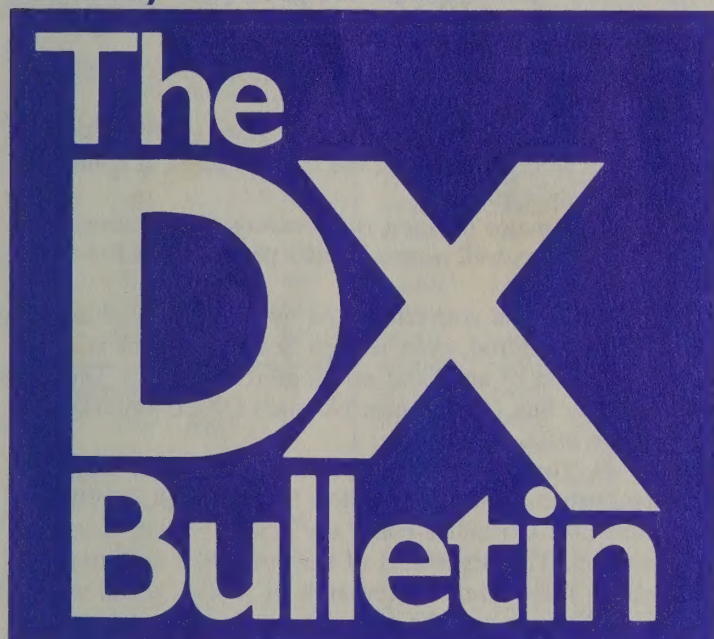


Scarborough Reef - BY A multi-nation team will

activate Scarborough Reef for the first time ever June 24-26. Using the special callsign of **BS7H**, the team will operate Yaesu FT-990s barefoot into Cushcraft R5 and R7 vertical antennas. CW frequencies will be 7005, 14025, 21025, and 28025 kHz, with SSB on 7045, 14195, 21295, and 28395 kHz. During US Field Day (>1800Z Sat.) they may use the alternate frequencies of 7001 10101, 14001, 18069, and 21001 kHz on CW and 7045, 14140, 18120, and 21190 kHz on SSB.

MiniProp Plus suggests east coast DXers try 20 meters 10-1200Z; midwest 40 meters 10-1200Z and 20 meters 08-1400Z; west coast 40 10-1400Z and 20 meters 06-1800Z. Sunrise is about 2130Z; sunset 1020Z. A forecasted increase in geomagnetic activity may further reduce signal-to-noise ratios.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

The effort has been organized by the Chinese Radio Sport Association (BY1PK) together with JA1BK and OH2BH. Operators will be BZ1HAM, DL5VJ, DU1OLG, DU1RAA, JF1IST, KJ4VH, OH2BH, OH2MAK, and 9V1YW. Weather is a serious concern due to the start of the typhoon season. Three control stations, VS6CT, DU1KT, and DU9RG, will maintain contact with **BS7H/MM** enroute, providing up-to-date weather reports and relaying progress reports to the DX community. Listen on 14195 kHz. JF1IST, coordinator of the 7J1RL Okino Torishima operation, will scout the reef for a full-scale DXpedition. The operation is sponsored by the NCDXF, INDEXA, and CQ Ham Radio Magazine of Japan. QSL **BS7H** to Jim Maxwell W6CF, P. O. Box 473, Redwood Estates CA 95044-0473.

Shortly Noted

- **FK8/F6EDV** will be active from New Caledonia for a few weeks. (DXNL.)
- **OM9SNP** is a special-event station from Slovenia; QSL via OM3LA. (DXNS.)
- **SU1KR** is Pavel OK2FUN, a member of the Czech embassy staff, and one of very few foreigners able to get Egyptian operating permission. He's on all bands except 160; QSL OK2EC. (EADX.)
- **EX3Q/UA4FAO**, **EX4Q/UA4FAY**, and **EX7Q/RZ4FXT** are active from Kyrgyzstan until Sept. 25. QSL via home calls.
- **PJ7/DL1BLK** and **PJ7/DL6BBR** are active from St. Maarten until July 7, SSB only on 14250, 18150, 21250, 24950, and 28450 kHz. They may also operate from the French side FS/. QSL home calls. (DXNL.)
- **DXAC votes:** The ARRL DXAC (DX Advisory Committee) voted 15 to 1 against reinstatement of (deleted) Aldabra to the DXCC Countries List. The DXAC decided that Aldabra does not meet the criteria of the present rules. In another ballot, the DXAC voted to approve call area calling guidelines. (There were 11 yes and 2 no votes with 3 abstains.) The DXAC guidelines call on DX stations to operate in a manner perceived to be fair and balanced to all areas, and to work portable stations in the specific call area they are listening for. [This means WB2CHO/6 calls with the 6s -ed.]
- **Six Meters:** Bill W6YLL will be active as **V31DW** on Six July 6-20. Try 50110 or 50125 kHz. QSL home call.
- **BY QSL Scam:** QSLs from BY5RA contacts in early 1992 are arriving in the US. However, enclosed with the cards is a chain letter directing that money be sent to a post office box in Fuzhou. DXers should know that such letters are illegal in the US.
- **RTTY:** Spots: **7X2DS** 14088 1400Z; **S92ZM** 14080 1745Z; **TY1PS** 14090 1800Z; **CN8NP** 14083 1805Z; **OD5PL** 14085 1910Z; **JD1AMA** 14088 2125Z; **ZA1AJ** 14087 2135Z; **TA2II** 14083 2150Z; **HS0ZAA** 14082 1420Z; **9K2IC** 14084 2220Z.
- **SSB Nets:** Spots: **14226.5** kHz (11,18Z): **9M8AL XX9AS** TZ6WO D2/AA4HU PY0TUP 7X2LS EA8/WA1ECA; **14247** (21Z): **YI1MH YI1DZ** TF3GF OD5JY 4N7DW OK1DKS EA8BYR N9JCL/CY9.

Islands On The Air

- **C98AI** until June 28 is **C91AI** on (AF-066).
- **SV/IK3GES** will operate from (EU-052) **SV8/**, (EU-158/113) **SV3/**, and (EU-075) **SV8/** July 2-Aug. 3.
- (AF-069) Penon de Alhuzemas will be on the air July 30-31, by **EA9LZ**. Callsign not known.
- **IL4/IK4PKZ** and **IL4/IK4WMG** are active from (EU-155) Marche/Emilia June 25-26.
- **ZZ5LL** July 2-11 is **PP5LL** on Arvoredo Island (SA-026). Watch 3760, 7060/7260, 14260, 21260, and 28260 kHz on SSB, and 20 kHz up on CW. Maybe RTTY 40 kHz up. QSL to P. O. Box 08, 88010-970 Florianopolis SC Brazil.

Propagation Forecast and Historical Data

Day	Forecast	27 Days Before				55 Days Before			
June 1994		Date	Flux	A	K	Date	Flux	A	K
24	Below Normal	5/28	70	23/25	5	4/30	75	01/02	1
25	Disturbed	5/29	69	30/37	4	5/1	75	20/34	4
26	Disturbed	5/30	69	35/44	3	5/2	76	30/42	3
27	Disturbed	5/31	69	29/32	4	5/3	74	32/45	3
28	Below Normal	6/1	68	20/24	3	5/4	73	22/23	2
29	Below Normal	6/2	68	21/19	3	5/5	73	24/32	4
30	Below Normal	6/3	68	16/19	3	5/6	74	23/33	3
July 1994									
1	Below Normal	6/4	68	16/22	3	5/7	74	27/40	4
2	Low Normal	6/5	68	31/17	3	5/8	75	24/36	3
3	Below Normal	6/6	71	18/19	3	5/9	77	26/24	3
4	Low Normal	6/7	77	13/17	2	5/10	80	18/28	2
5	High Normal	6/8	80	08/10	1	5/11	82	22/24	3
6	High Normal	6/9	83	07/10	1	5/12	87	10/10	1
7	Low Normal	6/10	85	16/17	2	5/13	89	06/09	1
8	Low Normal	6/11	86	15/16	2	5/14	90	15/22	2
9	Low Normal	6/12	86	22/21	3	5/15	91	18/30	3
10	High Normal	6/13	85	13/11	3	5/16	91	26/30	3
11	Low Normal	6/14	85	14/14	3	5/17	95	16/16	2

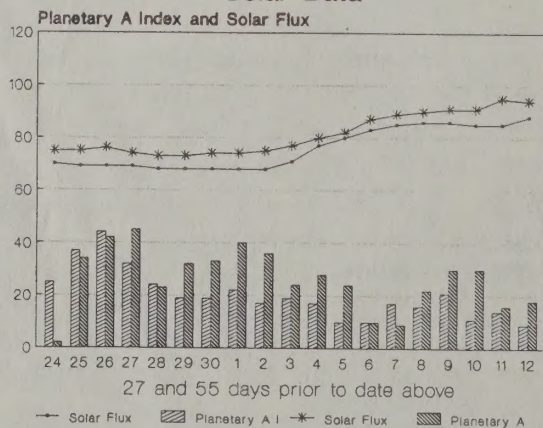
Propagation Watch

After a slight increase to near 90, solar flux dropped back to near 70 again this month. (Remember that zero sunspots is equal to a solar flux value around 65.) This suggests that we are in for another month of very low sunspots, with subsequent low maximum useable frequencies (MUFs). Note in the graph below that every solar flux value during the last solar revolution was lower than that of two revolutions prior. This combination of extremely low solar activity and seasonal downward pressure on MUFs has severely limited DX openings on the higher bands.

20 meters provides the bulk of the long-haul DX, with some polar openings when the geomagnetic field is quiet. DX on higher bands is mostly limited to north-south openings. Seasonally increasing noise on the lower bands further restricts DXing.

The remains of the Killer Koronal hole rotate in our direction this weekend. While this hole has largely dissipated, look for an increase in geomagnetic activity, and lower signal-to-noise ratios, for the next week. The bands should improve slightly in early July. Good hunting!

Solar Data



Scarborough Reef (Huangyan Dao)

South China Sea 15.07°N, 117.51°E

Scarborough Reef is a coral reef located in the South China Sea with only limited land area above surface at high tide. The reef is claimed by The People's Republic of China (PRC), and it meets the current DXCC criteria of 225 miles of open water from the PRC mainland. No other country disputes the PRC's claim to Scarborough. An application for separate DXCC country status is pending, and it is assumed that it will be taken for a vote after the first successful DXpedition is completed and fully documented.

Several preparatory activities were conducted recently:

1. A survey flight was concluded to Scarborough on 24 April 1994 at high tide, to verify that there is indeed land above water at all times. Possible operating sites were surveyed.

2. The pictures of Scarborough were submitted to ARRL/DXAC to provide a basis for qualification as a new DXCC country. The pictures were also provided as basis for discussions among DXAC as well as other parties interested in the process of activating Scarborough.

As a result of recent discussions, the following preliminary opinions were obtained:

- A. If the Scarborough application would be treated to a strict interpretation of the current rules, it would be unanimously approved.

- B. A major concern is the safety of operating from Scarborough as well as the limited prospects of full-scale activation.

- C. Criteria concerning the minimum size of an island is being considered, even though Scarborough clearly fits the definition of an island as adopted in 1982 at The Third Law of the Sea Conference. No such DXCC criteria currently exist.

- D. The concern was presented that there might be several other countries to follow Scarborough, meeting current DXCC criteria based on 225-mile open water separation. The organizers of this proposed activation, based on their extensive research of several years, were not able to discover any other new countries. The issue of limitation of other potential new countries will be left to the DXAC/ARRL. Applying future criteria to the current application is considered an unlikely scenario.

Venezuela SSB Contest

The 33rd Venezuela SSB Contest runs the full 48 hours July 2-3, on 80, 40, 20, 15, and 10 meters. Categories are single-op, all-band; single-op, single-band; multi-single; and multi-multi. Exchange RS and serial number. One point for contacts within one's own country; three points on same continent; and five points between continents. Multipliers are countries and YV call areas worked per band. Score is total of QSOs points times sum of band-multipliers. Separate logs per band plus summary sheet, mailed by Aug. 31, to Radio Club Venezolano, Contest Committee, P. O. Box 2285, Caracas 1010-A, Venezuela. (The CW test is July 30-31, same rules; mail deadline Sept. 30.)

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

HSØZAA	14081	1401	13	ID
SP6CYV	14088	0410	17	CA
SV1CKR	14084	0220	17	CA
SV7BVZ	14088	2200	15	FL
TA2II	14084	2203	15	FL
UT5DX	14086	0405	17	CA
UXØKN	14082	0410	17	CA

160 Meters

FK8FU	1810	1256	17	CA
VK4YB	1832	1150	8	ID
VK5BC	1832	1248	17	CA
ZL3AIC	1832	1215	8	ID

80 Meters

HK7AAG	3510	0925	11	NH
LU2BRG	3503	0940	10	NH
LU4FC	3505	0900	11	NH
XL1HA	3510	0905	11	NH
ZL2AGY	3501	0935	10	NH
ZL3ABV	3505	0928	10	NH
ZL3DU	3506	0935	12	NH
ZL3NE	3505	0920	11	NH
ZL4DU	3505	0920	10	NH
ZL4IE	3505	0910	10	NH

75 Meters

F6GSM	3792	0335	11	IL
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40 Meters

5R8DG	7006	0254	4	VA
9G1MR	7079	0605	12	IA
BV2BI	7004	1318	12	ID
ESØNW	7007	0250	19	NY
EW4CW	7009	0205	9	VA
FK/F6DEV	7005	1050	15	FL
FK8FU	7010	1041	4	VA
KH3AC	7003	1202	9	WA
LY1DS	7004	0159	16	FL
PY2OU	7005	0925	12	IL
ZZ7JS	7014	0936	12	IL

30 Meters

3B8CF	10102	0337	11	IL
4Z4DX	10108	0155	6	GA
EI5DR	10103	2326	8	GA
OZ1CTK	10104	2323	8	GA
PYØTUP	10106	2300	1	NS
V63KW	10109	1040	15	FL

20 Meter CW

3AØJD	14016	2353	14	FL
3B8FQ *	14008	1245	18	FL
4J3M	14019	2125	14	VA
4K2BY	14024	0302	10	WA
4K2BY	14001	1355	13	IA

4K2MAL	14012	2345	10	IA
4K6GF	14012	1047	8	NB
4LØG	14036	1959	3	VA
4S7WP	14024	0045	13	IA
5NØAIP	14022	2220	13	FL
5W1GC	14029	0424	12	VA
7Z1AB	14020	1245	12	IA
9A8AA	14031	1648	6	VA
9J2SZ *	14005	1247	18	FL
9K2MU	14008	1935	13	VA
9K2ZZ	14005	2309	11	VA
9M8FC	14001	1455	11	IA
9V1XR	14015	1525	11	IA
BV7GC	14008	1515	8	ID
BV7WB	14013	1415	11	IA
BZ5HAN	14010	1315	11	IA
CO2FC	14049	2234	11	GA
CP1OZ	14020	0145	1	CA
DU3/	14030	1730	9	VA

W4NXXE				
EA8BWN	14022	2207	15	FL
EK4JJ	14023	2252	17	FL
EU1YL	14001	2220	15	FL
EW8WE	14028	0331	10	ID
EX8DX	14032	0222	9	VA
EX8W	14013	0008	18	FL
FO5OU	14017	0407	14	SC
FR5DD	14017	0357	14	SC
HA8VK	14010	0527	10	CA
HC5AI	14019	2200	12	FL
HI3AB	14005	1307	18	FL
HKØER	14006	0004	15	FL
HT1T	14022	0035	9	CA
ISØHFE	14013	2351	14	FL
JWØH	14009	1150	9	NB
JWØH	14028	2250	15	FL
JY8FN	14020	0230	14	IA
OM9SNP	14010	2134	7	SC
OQ5ØUSA	14010	1524	13	VA
R1FJL	14006	0055	9	VA
R1FJL	14011	1405	11	IA
RAØA/	14022	1409	11	CO

K4EWG				
S92SS	14015	2043	10	VA
ST2AA	14019	0412	14	SC
SV7BAY	14027	2349	14	FL
T92A	14016	2142	7	SC
TG9AC	14014	0010	10	CA
TO5ORC	14025	2223	12	FL
UA2FT	14025	2220	12	FL
UF6VM	14043	2243	9	GA
UK7R	14012	0245	12	IA
VQ9GB	14026	1309	8	ID
VR2IH	14006	1515	11	IA
VR6ME	14031	0240	6	CA
VR6MW	14011	0350	8	IL
XQØYAF	14001	2324	15	FL
YO4PX	14030	2109	8	SC
YS1DRF	14008	1453	11	CA
ZA1AJ	14027	2030	8	IA
ZA1J	14026	0129	15	FL
ZS6ME *	14023	1315	10	IA

20 Meter SSB

3XYØA	14215	2154	3	MD
4K2BY	14188	0126	10	VA
4L1AA	14197	0129	9	VA
4L1AA	14195	1155	8	MA
4N7ØAT	14204	1024	10	VA
4X4BL	14343	0315	12	MD
4Z4UR	14204	0305	12	MD
5B4ADA	14207	2225	3	MD
5T5MS	14296	2043	7	MD
9G1WJ	14226	2121	1	VA
A22EX	14224	1804	6	MD
A45ZX	14175	0213	10	MT
A61AN	14250	2310	11	IA
A71AC	14280	1959	1	NS
A71EE	14270	2238	7	MD
BZ1QL	14186	1630	12	CA
C53HG	14215	2	20	MD
CO2/K7JA	14207	0205	5	CA
D3X	14195	0035	5	CA
D3X	14280	2005	13	IA
DU1SAN	14175	1346	10	MD
DU2/	14174	1445	5	CA
KO4TS				
FK8GT	14180	0522	11	IL
FK8GU *	14171	0359	12	MD
FT5XJ	14226	0631	12	CA
H44KA	14226	1240	10	SC
HH2LQ	14207	0205	5	CA
HK5JTS	14165	1140	8	MD
HSØ/	14154	1230	7	VA

G4UAV				
HV4NAC	14210	2209	20	MD
I4JMY	14216	2334	11	CA
I7ZPB	14185	0454	9	CA
JY8JH	14205	2259	3	NS
KH8BB	14237	0336	4	MD
OD5ET	14186	0249	12	MD
OD5JY	14188	030	10	MT
OM9SNP	14195	0436	10	CA
OX3JF	14185	1323	9	MT
P29NB	14226	1326	8	MT
P29NV	14187	0520	11	IL
RX3AA	14185	0445	9	CA
S92YL	14226	2236	3	NS
SV/WY3V	14189	0340	12	MD
SV5TS	14252	1711	5	NS
T95X	14201	2249	3	NS
TG9AC	14236	0030	9	CA
TI2JJP	14200	0433	9	IL
TU4EI	14247	0026	4	VA
TY1IJ	14275	2159	3	MD
UNØG	14179	0055	12	IA
VP2MES	14215	0254	19	CA
VR6PAC	14226	0035	5	CA
XU7VK	14213	1310	10	IA
XU7VK	14213	2339	10	MD
XX9AS	14193	1210	14	IA
XX9MD	14193	1400	9	MT
YI1EYT	14268	1558	6	NS
Z37GBC	14205	1824	12	MA
ZA1AJ	14261	2337	9	MD
ZA1B	14215	1618	8	NJ

ZL2JL	14153	0438	9	IL
ZL3RG *	14183	0348	12	MD
ZP5YD	14193	0055	8	MT

17 Meter CW

C53HG	18071	1402	12	FL
CO6CG	18071	2305	15	FL
OZ1ING	18070	1354	19	CT

17 Meter SSB

FG5GI	18137	2212	5	NS
V44KBW	18130	2203	5	NS

15 Meter CW

6W6JX	21025	2104	12	GA
CE2LZV	21015	1446	12	FL
CM2AZR	21032	1500	12	FL
EA8BPO	21045	2005	11	GA
EA8TB	21008	2240	10	IA
HK1KOR	21012	2234	10	ID

15 Meter SSB

CT1EEB	21240	2250	10	IA
H5ANX	21223	1315	4	VA
J87BE	21333	1937	10	MD
VK7OW	21230	2350	10	IA

12 Meter CW

PYØTUP	24905	1757	12	SC
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12 Meter SSB

PV8AAL	24950	2005	4	SC
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6 Meters

5T5JC	50110	1208	13	MA
C6AFP	50125	215	4	IL
CO2/KXØO	50125	1704	4	IL
CO2JG	50129	1616	4	IL
CO2KK	50125	1215	10	MD
CO3JA	50125	1739	4	IL
CY9/WC9E	50125	1945	12	MD
TG9AJR	50105	2319	11	MA
TI2NA	50110	2238	11	MA
VP2MO	50110	1529	12	MA
VP5/	50125	2135	4	IL
W6JKV				
XE1ABA	50125	2359	9	MD
XE2EGZ	50131	1856	4	IL
XE2LQB	50135	1607	5	IL
XE3EB	50110	0242	10	MA
XE3HSW	50125	0023	13	IL

S	M	T	W	T	F	S
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Current and Future DXpeditions

(Changes and hot info in boldface.)

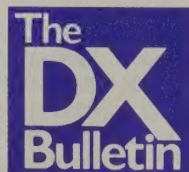
<u>DXCC Country</u>	<u>Prefix</u>	<u>Callsign</u>	<u>Dates</u>	<u>Issue</u>
Albania	ZA	ZA1E	21295 1500Z	I743
Angola	D2/HB9AMO		to July	I740
	D2TT?		June 16-July 16	I743
Aruba	P4	P40XJ	June 16-23	I739
Ascension Island	ZD8	ZD8OK	Aug.-Jan	I743
Belau	KC6/	SM6FJY	July 11-24	I741
Belize	V3	V31PA	to Sept.	I740
Benin	TY	TY1IJ	to July	I741
Cambodia	XU	XU7VK	to Feb. '95	I724
Cayman Islands	ZF	ZF2GT	June 23-30	I741
Chad	TT	TT8PS	to Aug.	I740
Egypt	SU	SU1KR	now active	I744
Ghana	9G	by 4X4MS	one year	I743
Guam	KH2/	SM6FJY	June 27-July 10	I741
Iran	EP	EP2DL	14151 0045Z	I743
		EP2ASZ	20M CW 2200Z+	I743
Iraq	YI9CW		18074 14-16Z	I732
ITU Headquarters	4U1ITU		July 7-10	I742
Jordan	JY	JY8s	May 29-June 27	I740
Kerguelen	FT	FT5XJ	14188 18Z	I737
Kyrgyzstan	EX	/UAs	to Sept. 25	I744
Liechtenstein	HB0/PAs		July 6-11	I741
	HB0/DLs		June 17-24	I742
Malawi	7Q	7Q7XT?	July 17-Aug. 5	I743
Malta	9H	PAs	June 24-July 4	I736
M-V Island	R1MVI		July 30-31	I742
Marianas	KH0/SM6FJY		June 13-26	I741
New Caledonia	FK8/F6EDV		now active	I744
Niger	5U	5U7Y	now active	I726
Nigeria	5N0/DL9GMM		to Dec.	I731
North Cooks	ZK1AT		3784 07Z Sun.	I729
Philippines	DU7/SM0CNS		July 1-31	I743
St. Paul Island	CY9CWI		Aug. 12-26	I742
	CY9/	N0TG	Sept. 19-25	I741
St. Pierre & Miquelon	FP/KA1NCN		July 19-25	I739
St. Maarten	PJ7/	DLs	to July 7	I744
Scarborough Reef	BS7H		June 24-26	I744
South Africa	ZS	ZS6IR	July 1-21	I743
Sri Lanka	4S7/ON4IPA		to August	I736
Tajikistan	EY	EY8MM	3505/3795 02Z	I729
Trindade Island	PY0	PY0TUP	Apr.-Aug.	I731
Turks & Caicos	VP5NC		mid-July	I743
Vanuatu	YJ0AVH		14196 0230Z+	I742
Vietnam	3W	3W3AV	June 21-30	I743
Yemen	7O	7O1AA	14243 1500Z	I738
Zone 2	VE8/VE2BQB		to Nov.	I740

Operating Events and DX Gatherings

<u>Dates</u>	<u>Event</u>	<u>Reference:</u>
July 2-3	Venezuelan SSB Contest	<u>I744</u>
July 9-10	IARU HF Championship	<u>QST</u>
July 9-10	BARTG AMTOR/PACTOR	<u>Digital Journal</u>
July 16-17	Colombia Independence Contest	<u>CQ</u>
July 29-30	Russian Contest	
July 30-31	YV CW Contest	<u>I744</u>
July 30-31	Islands On The Air Contest	<u>CQ</u>

Resident Amateurs on Regularly

<u>DXCC Country</u>	<u>Callsign</u>	<u>Freq.</u>	<u>UTC</u>
80 Meters	ZL3NE	3505	0920Z
80 Meters	ZL4IE	3050	0900Z
Albania	ZA1B	14205±	16-19Z Wed.
American Samoa	KH8BB	14230±	0300Z
Angola	D3X	14195	0030Z
Cambodia	XU7VK	14210±	1300Z
Georgia	4L1AA	14193	1200Z
Israel	4Z4UR	14210±	0300Z
Kuwait	9K2MU	14012±	1930Z+
Macao	XX9AS	14193	12-1400Z
New Caledonia	FK8GU	14171	0400Z+
New Caledonia	FK8GT	14180±	0500Z
Oman	A45ZX	14185±	0200Z+
Pitcairn Island	VR6PAC	14226	0030Z
Reunion Island	FR5DD	14022±	0400Z



**P. O. BOX 50
FULTON CA
95439-0050 USA
(707) 523-1001**

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Contributors

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